

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| In re application of: Al MacKnight<br>Serial No.: Filed herewith<br>Filing Date: Filed herewith<br>For: DIRECT CONTACT LIQUID AIR<br>CONTAMINANT CONTROL<br>SYSTEM |  |
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COMMENTARY RE INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

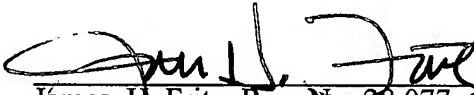
Dear Sir:

In accordance with 37 CFR §1.56, and in recognition of his duty to disclose to the United States Patent and Trademark Office relevant information known to be material to patentability, Applicant herewith submits a copy of the prior art listed on the attached Information Disclosure Statement (Form PTO-1449). The statement is not a representation that all of the information cited is necessarily effective as prior art against the application.

Applicant respectfully requests that the disclosed reference be made of record in the subject application.

Respectfully submitted,

Dated: June 30, 2003

  
James H. Fritz, Reg. No. 28,077  
Michael A. Shimokaji, Reg. No. 32,303  
Oral Caglar, Reg. No. 44,577  
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Express Mail No.: EV246529506US  
PATENT  
H0002000

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GENERAL AUTHORIZATION/REQUEST TO PETITION FOR EXTENSIONS OF TIME

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450


Dear Sir:

With reference to the subject application, and pursuant to 37 C.F.R. § 1.136, Applicant(s) hereby authorize(s) and request(s) the Commissioner to treat any correspondence requiring a petition for extension of time as containing such a request therefor for the appropriate length of time. This general authorization is effective during the pendency of this application, including any division or continuing application therefrom.

Where no check is received by the Commissioner, you are hereby authorized to charge payment of the requisite petition fees, or charge any additional fee required under 37 C.F.R. § 1.17, or credit any overpayment of same, to Deposit Account No. 01-1125. A duplicate copy of this general authorization is enclosed.

Respectfully submitted,

Date: June 30, 2003

  
James H. Fritz, Reg. No. 28,078  
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PTO/SB/08A (10-01)

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|   |   |           |   | <b>Application Number</b>     | filed herewith      |
|   |   |           |   | <b>Filing Date</b>            | filed her with      |
|   |   |           |   | <b>First Named Inventor</b>   | Al MacKnight et al. |
|   |   |           |   | <b>Group Art Unit</b>         |                     |
| <b>Examiner Name</b>  |   |           |   |                               |                     |
| <b>Sheet</b>  | 1 | <b>of</b> | 2 | <b>Attorney Docket Number</b> | H0002000            |

| U.S. PATENT DOCUMENTS |                          |   |                                |   |   |
|-----------------------|--------------------------|---|--------------------------------|---|---|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                               | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant<br>of Cited Document | Pages, Columns, Lines<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |
|                       |                          | Number – Kind Code <sup>2</sup> (if<br>known) |                                |   |   |
|                       | 1                        | US- 6,132,493                                 | 10-17-2000                     | Church  |   |
|                       | 2                        | US- 5,876,486                                 | 03-02-1999                     | Steinwandel et al.                                    |   |
|                       | 3                        | US- 5,318,758                                 | 06-07-1994                     | Fujii et al.  |   |
|                       | 4                        | US- 4,810,266                                 | 03-07-1989                     | Zinnen et al.   |   |
|                       | 5                        | US- 4,468,234                                 | 08-28-1984                     | McNicholas  |   |
|                       | 6                        | US- 4,375,975                                 | 03-08-1983                     | McNicholas  |   |
|                       | 7                        | US- 4,285,918                                 | 08-25-1981                     | Gustafson   |   |
|                       | 8                        | US- 3,727,375                                 | 04-17-1973                     | Wallace   |   |
|                       | 9                        | US- 3,632,519                                 | 11-10-1969                     | Gustafson   |   |
|                       |                          | US-   |                                |   |   |
|                       |                          | US-   |                                |   |   |
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| FOREIGN PATENT DOCUMENTS |                          |                           |  |                                |  |   |
|--------------------------|--------------------------|---------------------------|--|--------------------------------|--|---|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document   |  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns,<br>Lines<br>Where Relevant<br>Passages or<br>Relevant<br>Figures Appear |
|                          |                          | Country Code <sup>3</sup> | Number <sup>4</sup> Kind Code <sup>5</sup><br>(if known) |                                |  |   |
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| <b>Examiner<br/>Signature</b> |  | <b>Date<br/>Considered</b> |  |
|-------------------------------|--|----------------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent documents. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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|  |  |  |  | <b>Application Number</b>     | filed herewith |
|  |  |  |  | <b>Filing Date</b>            | filed herewith |
|  |  |  |  | <b>First Named Inventor</b>   | AI MacKnight   |
|  |  |  |  | <b>Group Art Unit</b>         |                |
| <b>Examiner Name</b>   |  |  |  | <b>Attorney Docket Number</b> | H0002000       |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS |                          |  |                |
|---|--------------------------|--|----------------|
| Examiner<br>Initials*                             | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.          | T <sup>2</sup> |
|   | 10                       | BARABASH, P.A. et al., "The Centrifugal Mass Exchange Apparatus in Air-Conditioning System of Isolated, Inhabited Object and Its Work Control", in Proceedings of the 4 <sup>th</sup> European Symposium on Space Environmental and Control Systems, October 21-24, 1991 |                |
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